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## INTER-OFFICE MEMORANDUM

DATE: June 21, 1967

TO: W. James See, Assistant Director of Public Works  
 FROM: Allen Shelley, Senior Engineer  
 SUBJECT: SANITARY SEWER SERVICES - AMES RESEARCH CENTER (MOFFETT FIELD)

In accordance with Mr. McKinnon's handwritten note to you dated June 5, 1967, we have reviewed the subject plans and specifications as they affect the City of Mountain View East Trunk Sewer Facility. We have the following comments:

- 0732 1. The design for the East Trunk Sewer (ETS) provided capacity for sewerage approximately 800 acres of Moffett Field including Ames Research. This area is east of Moffett Boulevard and north of Bayshore Freeway. The quantity of sewage and the proposed discharge points from Moffett Field into the ETS as determined in the ETS design study are shown on Exhibit 'A' in black ink. The Ames proposal submitted for approval provides for connection of an 18" main to the ETS at City of Mountain View MH 3 as shown on Exhibit 'A'. Stubouts have been provided to serve the additional area bounded in orange on Exhibit 'A'. It should be noted that the ultimate capacity of the 18" BC (flowing full) is 550 cfs which is 0.5% cfs in excess of the total capacity provided in the ETS for sewerage of the combined Ames, Moffett Field and the additional area noted above. There are several possible explanations for this:
- Gross overdesign of the system assuming Moffett Field would not be sewered by the Ames 18" VCP.
  - The possibility that they are proposing only one discharge point for both Ames and Moffett Field.
  - The possibility of greatly increased current and future sewage flows above original estimates.
  - The possibility of having a combined storm-sanitary system on their site.

However, if the 18" main is designed to flow full under the discharge from Ames and the above mentioned area bounded in orange (Moffett Field sewage entering the ETS at a separate location) then the ETS would receive flow 1.5% cfs in excess of capacity.

It is recommended that Ames be requested to submit a map showing the area to be sewered as well as the flows to be carried by the 18" VCP.

2. The current Ames design calls for the invert of the 18" VCP to enter HH #3 9" below the crown line of the existing 33" RCP. It is recommended that the invert of their line be raised to match the crown line of the ETS, if possible.
3. Ames proposes to use a magnetic meter for measurement of their flow into our system. The plans call for galvanized steel steps to be installed in the wall of the meter pit. In accordance with Mr. McKinnoch's letter to Mr. G. B. Wood dated September 17, 1964 (attached), the City will maintain the metering facilities throughout their useful life. The City prohibits the installation of steps in its own facilities, and it is recommended that the steps be deleted in this case.
4. Ames and/or the Navy should enter into an agreement with the City regarding the items as noted in the above referenced letter to Mr. G. B. Wood.
5. Additionally it should be noted that Ames included on their plans a log of a soil test bore from ETS Phase II plans. If it is possible the City would incur liability in the event of a dispute over this information.
6. The contractor for Ames should notify the Director of Public Works at least 48 hours prior to commencing work at the manhole.
7. It is recommended that Ames be requested to furnish the City with as-built reproducibles of these plans for our files.

ALLEN SHELLEY

By Dick Leach  
Dick Leach

sdp.

City Manager  
Dir. Public Works w/e  
Senior Engineer  
Design Engineer  
F/y w/a